

Ana LÃ³cia Fernandes de Lima E Silva

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

446
citations

1163117

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1125743

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18
all docs

18
docs citations

18
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of two-dimensional flows over a circular cylinder using the immersed boundary method. Journal of Computational Physics, 2003, 189, 351-370.	3.8	337
2	Numerical study of the dynamics of a droplet in a T-junction microchannel using OpenFOAM. Chemical Engineering Science, 2019, 196, 514-526.	3.8	22
3	Applying different heat flux intensities to simultaneously estimate the thermal properties of metallic materials. Measurement Science and Technology, 2012, 23, 065601.	2.6	14
4	A GTA Welding Cooling Rate Analysis on Stainless Steel and Aluminum Using Inverse Problems. Applied Sciences (Switzerland), 2017, 7, 122.	2.5	13
5	A thermal efficiency analysis of a Gas Tungsten Arch Welding process using a temperature moving sensor. International Journal of Thermal Sciences, 2018, 129, 47-55.	4.9	13
6	The use of non-linear inverse problem and enthalpy method in GTAW process of aluminum. International Communications in Heat and Mass Transfer, 2015, 66, 114-121.	5.6	11
7	An alternative approach to thermal analysis using inverse problems in aluminum alloy welding. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 561-574.	2.8	9
8	A Different Approach to Estimate Temperature-Dependent Thermal Properties of Metallic Materials. Materials, 2019, 12, 2579.	2.9	9
9	Comparison among drag coefficient models of single bubbles under high and low Morton number regimes. Chemical Engineering Science, 2021, 236, 116473.	3.8	7
10	Time Traveling Regularization for Inverse Heat Transfer Problems. Energies, 2018, 11, 507.	3.1	6
11	Microstructural analysis in GTA aluminum alloy welding using inverse problems. Applied Thermal Engineering, 2016, 100, 333-339.	6.0	2
12	Analysis of natural convection in heat sink using OpenFOAM and experimental tests. Heat and Mass Transfer, 2019, 55, 2289-2304.	2.1	2
13	CONVECTION HEAT TRANSFER AROUND A SINGLE ROW OF CYLINDERS. Computational Thermal Sciences, 2014, 6, 477-492.	0.9	1
14	EXPERIMENTAL ANALYSIS OF THE INFLUENCE OF HEAT SINK GEOMETRIC PARAMETERS ON NATURAL CONVECTION. , 0, , .		0
15	MICROSTRUCTURAL ANALYSIS THROUGH TRIDIMENSIONAL INVERSE HEAT TRANSFER MODEL IN GTA ALUMINUM ALLOY WELDING. , 0, , .		0
16	APPLYING DIFFERENT HEAT FLUX INTENSITIES TO ESTIMATE TEMPERATURE-DEPENDENT THERMAL PROPERTIES OF METALS. , 0, , .		0
17	ANALYSIS OF HEAT TRANSFER COOLING RATE AND ITS EFFECT IN THE GTA ALUMINUM ALLOY WELDINGALLOY WELDING. , 0, , .		0
18	ANÃLISE DA CURVA DE RENDIMENTO TÃ%RMICO DE PROCESSO DE SOLDAGEM TIG. , 0, , .		0